Software specifications

Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
All	Python >= 3.5	Free			https://www.python.org/		Multi platform
All	Anaconda >= 4.3.0	Free			https://www.continuum.io/downloads		Multi platform
All	IPython == 5.1.0	Free			conda		
All	notebook == 4.3.1	Free			conda		
1	line_profiler == 2.0	Free			pip		
1	memory-profiler == 0.43	Free			pip		

1	pytest == 3.0.5	Free			pip		
1	KCachegrind == 0.7.4	Free			http://kcachegrind.sourceforge.net/html/Home.html		
1	pytest-benchmark == 3.0.0	Free			pip		
1	matplotlib == 1.5.3	Free			conda / pip		
2	patricia-trie == 10	Free			pip		
2	joblib == 0.10.3	Free			pip		
3	numpy == 1.11.3	Free			conda / pip		
3	numexpr == 2.6.1	Free			conda / pip		
3	pandas == 0.19.2	Free			conda / pip		
4,7	cython == 0.25.2	Free			conda / pip		
5	numba ==	Free			conda		

	0.30.1						
5	PyPy == 5.6	Free			http://pypy.org/download.html		
6	Rx == 1.5.5	Free			pip		
7	Theano == 0.8.2	Free			conda		
7	tensorflow == 1.0.0	Free			pip		
8	dask == 0.14.0	Free			conda		
8	mpi4py == 2.0.0	Free			conda		
8, 9	docker >= 1.9.1	Free			https://www.docker.com/		

Detailed installation steps (software-wise)

The best way to install Python is through the ana conda distribution. Follow the instructions for Python 3:

- https://www.continuum.io/downloads

Other packages can be installed through the conda package manager as follows:

conda install <package_name>=<version>

For example, to install numpy version 1.11.3

conda install numpy=1.11.3

To install using the pip method you can use the following syntax:

pip install numpy==1.11.3